

### Definition/Description:

Other measures that are being tracked in the Province of Manitoba as part of the ongoing health assessment activities include deaths due to all Cancers (ICD-9 140-208), deaths due to all Respiratory Diseases (ICD-9 460-519), and deaths due to all Circulatory Diseases (ICD-9 390-459). Counts by the above disease categories are provided to describe the burden of illness in the population.

### Method

International Classification of Diseases: Cause of death categories were based on ICD-9 methodology. A new cause-of-death classification system, International Classification of Diseases 10 (ICD-10), was introduced in the Province of Manitoba in 2000. Leading causes of death categories are yet to be restructured based on the new coding classification system. For this reason, the cause of death data were analysed for only 1990-1999 data. Causes of death have been categorized (or grouped) using the Clinical Diagnostic Grouper, which groups all ICD-9 codes into 119 categories (Manitoba Health, 2000).

### Source:

The death data used in this report was obtained from Vital Statistics Agency, Consumer and Corporate Affairs, Manitoba Finance and Manitoba Bureau of Statistics, Government of Manitoba. All numerical values, tables, and figures (including spatial analyses) were generated by the Population Health and Health System Analysis Unit, Winnipeg Regional Health Authority.

For further information, a comprehensive Mortality Report, Winnipeg Regional Health Authority, 2004, can be found at

<http://www.wrha.mb.ca/howcare/decsup/files/population/WRHAMortalityReport2004.pdf>

**Findings:****Leading Causes of Death by Selected Disease Categories, 1995-1999**

Community Area	Neighbourhood Cluster	All Cancers ICD-9 (140-208)			All Respiratory Disease ICD-9 (460-519)			All Circulatory Disease ICD-9 (390-459)		
		Both Sexes	Females	Males	Both Sexes	Females	Males	Both Sexes	Females	Males
St. James-Assiniboia	01A	367	169	198	100	61	39	429	214	215
	01B	471	236	235	290	141	149	804	421	383
Assiniboine South	002	330	172	158	181	101	80	573	347	226
Fort Garry	03A	252	129	123	65	38	27	274	164	110
	03B	186	96	90	73	29	44	206	88	118
St. Vital	04A	406	217	189	86	44	42	454	229	225
	04B	224	102	122	87	55	32	394	238	156
St. Boniface	05A	253	138	115	82	36	46	453	274	179
	05B	246	111	135	31	14	17	217	104	113
Transcona	006	278	131	147	71	32	39	322	162	160
River East	07A	200	95	105	55	17	38	263	135	128
	07B	553	276	277	150	60	90	742	389	353
	07C	205	98	107	72	49	23	375	208	167
	07D	45	23	22	7	2	5	39	13	26
Seven Oaks	08A	147	71	76	54	28	26	227	123	104
	08B	443	226	217	112	50	62	637	345	292
	08C	43	22	21	41	22	19	142	92	50
Inkster	09A	66	39	27	12	7	5	72	34	38
	09B	157	61	96	58	33	25	246	124	122
Point Douglas	10A	319	138	181	69	27	42	433	209	224
	10B	231	100	131	135	67	68	549	317	232
Downtown	11A	356	170	186	95	42	53	522	277	245
	11B	416	184	232	190	89	101	786	378	408
River Heights	12A	416	222	194	186	111	75	666	358	308
	12B	356	203	153	104	59	45	396	212	184
Winnipeg Health Region		6966	3429	3537	2406	1214	1192	10221	5455	4766
Group Selected Disease Categories as a Percentage of Total Deaths in WHR		26.9	25.7	28.2	9.3	9.1	9.5	39.5	40.8	38.0

**Leading Causes of Death by Selected Disease Categories, 1990-1994**

Community Area	Neighbourhood Cluster	All Cancers ICD-9 (140-208)			All Respiratory Disease ICD-9 (460-519)			All Circulatory Disease ICD-9 (390-459)		
		Both Sexes	Females	Males	Both Sexes	Females	Males	Both Sexes	Females	Males
St. James-Assiniboia	01A	286	133	153	68	31	37	403	196	207
	01B	427	192	235	208	101	107	747	413	334
Assiniboine South	002	269	139	130	152	90	62	536	305	231
Fort Garry	03A	218	100	118	67	37	30	270	148	122
	03B	190	85	105	59	24	35	203	86	117
St. Vital	04A	307	158	149	67	33	34	372	181	191
	04B	160	80	80	79	46	33	304	184	120
St. Boniface	05A	253	129	124	85	39	46	452	261	191
	05B	232	106	126	32	15	17	178	69	109
Transcona	006	247	124	123	41	20	21	297	147	150
River East	07A	206	87	119	41	17	24	249	114	135
	07B	463	224	239	106	46	60	616	342	274
	07C	161	76	85	34	18	16	229	124	105
	07D	12	3	9	0	0	0	11	4	7
Seven Oaks	08A	104	59	45	33	16	17	171	91	80
	08B	347	143	204	90	41	49	576	282	294
	08C	36	21	15	23	13	10	117	81	36
Inkster	09A	47	20	27	12	5	7	49	21	28
	09B	179	83	96	46	21	25	251	128	123
Point Douglas	10A	340	157	183	69	19	50	433	179	254
	10B	276	112	164	123	53	70	513	263	250
Downtown	11A	354	160	194	112	57	55	517	243	274
	11B	390	184	206	179	90	89	719	346	373
River Heights	12A	410	233	177	165	98	67	649	350	299
	12B	363	196	167	76	36	40	380	203	177
Winnipeg Health Region*		6277	3004	3273	1967	966	1001	9242	4761	4481
Group Selected Disease Categories as a Percentage of Total Deaths in WHR		27.4	26.4	28.4	8.6	8.5	8.7	40.3	41.8	38.9

\* Winnipeg Health Region total excludes 6 deaths between 1990-1994  
These 6 deaths were excluded from all PYLL calculations due to unknown ages.

### **Highlights:**

- The majority of all deaths (75.7%) are attributed to the following disease categories:
  - All Circulatory Diseases (39.5%)
  - All Cancers (26.9%)
  - All Respiratory Diseases (9.3%)
- Similar proportions are reflected for both males and females and for the two time periods 1990-1994 and 1995-1999.